

IT WILL KILL MEN.

Dr. Rockwell's Testimony in the Electrical Execution Reference.

Conditions Under Which Death Would be Instantaneous.

Deductions From Experiments on Calves, Dogs and Horses.

Referee Becker heard witnesses summoned by Warden Durston, of the Auburn Prison, who represents the State in the matter of electrical execution.

The first witness was Dr. Alphonse D. Rockwell, of 118 West Thirty-fourth street, who has had an experience extending over twenty-five years, making a specialty of nervous diseases and electro-therapeutics. He has also studied the electrical resistance of men.

Mr. Poste—In the case of using a 1,000 galvanic cell battery, how long do you think it would take to decrease the resistance from the maximum to the minimum?

"I have never used so many cells, so I should be only an opinion; but I answer it would be instantaneous."

"What effect on the resistance does the size of the electrodes have?"

"The greater the electrodes the less the resistance."

The witness said he was present at Edison's laboratory when experiments were made on four calves, four dogs and one horse. All were killed except one dog.

Then came the leading and all important question from Mr. Poste.

"Do you think that a current can be applied which would painlessly and instantaneously kill a human being without burning him?"

"I am of the opinion that it can."

"If the electrodes are placed one on the neck and the other on the lower limbs of the human being what course would the current take?"

"The line of the least resistance; i. e., the muscles and blood vessels, as these are the most saline parts of the body. The pathological effect of a charge of 1,000 volts would be to paralyze the nerve centers, rupture the tissues and instantly stop the action of the heart and respiration."

Mr. Bourke Crocker, taking the witness in hand for the cross-examination, asked:

"Do you think that any artificial current can be generated with the strength of a thunderbolt?"

"I do not."

Then the witness said he was of the opinion that static electricity was not so dangerous as dynamic electricity, for the reason that the former effects only the surface covering of the body, while the latter follows the nerve centers.

"Blood is the best conductor in the human body," said Mr. Crocker, "and are you prepared to say that when two electrodes are applied to the body the current will pass through the blood?"

"Give us a demonstration."

"Your question does not permit of an answer. The effect of electricity causes the polarization of the blood; one element goes to one pole, the other element to the other pole."

After considerable beating about the bush Mr. Crocker finally secured an admission from the witness that keeping the electrodes damp, either with a hose or a vessel, would follow the pole of the liquid solution. A current of 1,000 volts could not burn up a well-damped electrode of sculptor's clay and sponge for twenty seconds.

This the witness knew, because he had been present when such a test had been made.

The witness continued: "In testing the resistance of the human body I have not had much experience, but have demonstrated it by a series of the rheostat. Though some people are more sensitive to electricity than others, in my opinion 1,000 volts properly applied would kill any man. I do not think it is possible for any man to receive 1,500 volts and live."

Harold Brown was called to the chair by Mr. Poste.

"The Comparative Danger to Life of the Alternating and Continuous Currents," a book written by Mr. Brown, was handed to him.

"Does that book show the experiments made by you on animals?"

"It does. The first day's experiments at Columbia College on pages 12 and 13, description of the experiments at the Edison Laboratory from pages 25 to 36. The experiments before the Medical Legal Society, at Orange, N. J., are on pages 55, 56 and 57. All of these were written by me from minutes taken on the spot."

The book was examined by Mr. Harold Brown's examination and lawyer Crocker postponed the cross-examination.

Mr. Poste asked for an adjournment, as he wished to leave town to see Mr. Edison so as to have him as a witness to-morrow.

Two Children Burned to Death.

COLUMBUS, O., July 22.—Two children, Tommy Williams, aged five, and his sister Agnes, aged three years, died of a horrible fire in their home at the home of their parents in this city. They were left alone for a few moments last evening while their mother went out to errand. The little boy got some matches and a can of kerosene, and lighting the former produced an explosion through which both children were fatally burned.

Catarrh

Is a blood disease. Until the poison is expelled the disease will not be cured. It is dangerous and deadly. Therefore, the only effective treatment is a thorough course of Ayer's Sarsaparilla—the best of all blood purifiers. The sooner you begin the better; delay is dangerous.

"I was troubled with catarrh for over two years. I tried various remedies, and was treated by a number of physicians, but received no benefit until I began to take Ayer's Sarsaparilla. A few bottles of this medicine cured me of this troublesome complaint and completely restored my health."—Jesse M. Bogg, Holliston, Mass.

"When Ayer's Sarsaparilla was recommended to me for catarrh, I was inclined to doubt its efficacy. Having tried many remedies with little benefit, I had no faith that anything would cure me. I became emaciated from loss of appetite and impaired digestion. I had nearly lost the sense of smell, and my system was badly deranged. I was about discouraged when a friend urged me to try Ayer's Sarsaparilla, and referred me to persons whom it had cured of catarrh. After taking only a dozen bottles of this medicine, I am convinced that the only sure way of treating this obstinate disease is through the blood."

—Charles H. Maloney, 115 River st., Lowell, Mass.

Ayer's Sarsaparilla,

Prepared by Dr. J. C. Ayer & Co., Lowell, Mass.

Price 50¢; six bottles, \$5.00. Worth 50¢ a bottle.

NOT CAMPBELL'S AIR-SHIP.

PROF. HOGAN'S ASCENSION MADE IN A BALLOON OF HIS OWN INVENTION.

Nothing has yet been heard from Prof. E. D. Hogan. It now appears that the balloon wasn't Campbell's famous airship at all, but a contrivance invented by Hogan himself, and a very dimly affair it is said to have been.

The balloon part of the air-ship was the only part of the original machine that was used, the car having been constructed by Hogan just previous to his ascension and weighing but sixty pounds.

The framework of Campbell's air-ship is now in a storage warehouse in Brooklyn. Hogan, it appears, was disappointed of the Campbell affair, and thought he could fix up something which would look like the original car and at the same time be much lighter, and insure a successful ascension.

As he had arranged the thing so he could come down where he wanted to, he sent the balloon over New York, attract a lot of attention, which would bring the cash stock, and then he could come down and land where there would be no curious and sharp-eyed reporters to pry into the matter.

Mr. Hogan is believed to have had all the solitude he wanted wherever he may have come down, and even his friends are now beginning to feel that he is a very dimly affair.

Lots of steamers and sailing vessels which were in the path of the balloon have come to the rescue of them with their aerial navigation.

It is believed that the effect that Hogan had in Long Island Sound, where he was to float over New York, attract a lot of attention, which would bring the cash stock, and then he could come down and land where there would be no curious and sharp-eyed reporters to pry into the matter.

Mr. Hogan, it is believed, has left his home in Michigan, and started East to get information of his husband.

JACKSON, Mich., July 22.—Mrs. Hogan has heard no news from the Professor and has given up all hope and believes he has met with death. She said that her husband had left her \$1,000 in cash, and a balloon and outfit which he must have left with friends.

MR. ISHAM IS STRANDED.

His Theatrical Scheme Failed and His Wife Has Gone to Her Father.

BRIDGEPORT, Conn., July 22.—Mr. Will Isham has withdrawn from the support of her husband and with her month-old baby is living with her father, Smith Blakeman, Main street.

About a year ago she married Mr. Isham, supposing him to be a prosperous theatrical manager.

Matters ran along with more or less friction until last week, when Mr. Isham returned home. Mr. Isham, it seems, had undertaken the management of a novel theatrical enterprise, which exploded after the fourth night.

Between thirty and forty actors and actresses are stranded here this summer without engagements, some of them left here by their troupe, others having wandered here.

Mr. Isham conspired a number of massing these homeless comedians upon the boards of the Big Four Theatre at Seaside Park.

Most of the girls were without stage wardrobe, and the variety performance which Mr. Isham inaugurated with his homeless, clothesless comedians did not draw.

The fourth night the theatre was closed and Mr. Isham was felled by the proprietor.

Since then Mr. Isham has been in a state of financial straits, and Mr. Isham was plunged into irretrievable financial ruin.

His father-in-law became exasperated at the unfortunate manager, and has taken his daughter home and refused Mr. Isham admission to his home.

Mr. Isham declares that she has ceased to love him, and the unfortunate manager is now, like his star actress, an actor, stranded.

CAN HE STAY WITH US?

A Queer Case that Collector Ehrhardt Must Decide.

Casper Rebling, a native of Germany, twenty-six years of age, arrived here yesterday by the steamship City of Chester.

In Liverpool Rebling had all his fortune, amounting to about \$10, changed from German into English money. On his arrival at Castle Garden he again changed it into American currency, and, feeling tired after so much money changing, he regarded himself with two bottles of beer. While enjoying it suddenly abstracted all his cash, about \$6, and left him penniless.

Rebling has a wife here who came over shortly after Easter and is now in Indianapolis; and the question is will the Commissioner, after passing him with money in his possession, still consider him a subject to land when penniless?

Collector Ehrhardt will have the matter brought to his attention during the day.

THE CITY HALL STEPS.

Labor Men Disgruntled Because the Marble Was Cut Outside the State.

Two walking delegates of the Stonemasons' Union have discovered that the marble to be used in reconstructing the steps in front of City Hall was cut outside of the State. They intend to raise some trouble about it.

Thomas Leary, Inspector of the Department of Public Works, had some trouble with the contractors to-day. Leary claims that the cement for the foundation for the steps does not comply with the specifications.

At 11 o'clock the men employed by the contractors threatened to knock off work unless their demands were met. At noon they received the money due them.

Didn't Know He Shot a Man.

John Hallister, twenty-six years old, of 329 West Thirty-third street, was indicted by the grand jury at the St. George Hotel in Brooklyn, was in the Jefferson Market Police Court to-day charged with shooting William Conroy, one of the Fire Patrol, through the hand in a saloon on South Fifth avenue last Friday night.

Hallister denied all knowledge of the shooting, but admitted that he had been drinking for some time.

He was held in \$2,000 bail.

An Italian Family Stabbed.

Vincenzo Mazzella and Michael Rosa were remanded in the Police Court this morning on the suspicion of stabbing Antonio De Gasparo, of 434 East One Hundred and Twelfth street, in the right lung and De Gasparo's wife in the hand. The stabbing occurred during a quarrel yesterday at the Harlem Club, where his death is momentarily expected.

The Closing Quotations.

	Open.	High.	Low.	Close.
American Cotton Oil	20 1/2	20 3/4	20 1/2	20 3/4
Canada Southern	21 1/2	21 3/4	21 1/2	21 3/4
Central Pacific	22 1/2	22 3/4	22 1/2	22 3/4
Chicago & North Western	23 1/2	23 3/4	23 1/2	23 3/4
Chicago & Eastern Illinois	24 1/2	24 3/4	24 1/2	24 3/4
Chicago & Great Western	25 1/2	25 3/4	25 1/2	25 3/4
Chicago & Rock Island	26 1/2	26 3/4	26 1/2	26 3/4
Ill. & Mich. Western	27 1/2	27 3/4	27 1/2	27 3/4
Ind. & Lake Erie	28 1/2	28 3/4	28 1/2	28 3/4
Ind. & W. Va. Ry.	29 1/2	29 3/4	29 1/2	29 3/4
Ind. & Ohio Ry.	30 1/2	30 3/4	30 1/2	30 3/4
Ind. & Pa. Ry.	31 1/2	31 3/4	31 1/2	31 3/4
Ind. & N. Y. Ry.	32 1/2	32 3/4	32 1/2	32 3/4
Ind. & N. E. Ry.	33 1/2	33 3/4	33 1/2	33 3/4
Ind. & N. W. Ry.	34 1/2	34 3/4	34 1/2	34 3/4
Ind. & S. E. Ry.	35 1/2	35 3/4	35 1/2	35 3/4
Ind. & S. W. Ry.	36 1/2	36 3/4	36 1/2	36 3/4
Ind. & T. Ry.	37 1/2	37 3/4	37 1/2	37 3/4
Ind. & U. Ry.	38 1/2	38 3/4	38 1/2	38 3/4
Ind. & V. Ry.	39 1/2	39 3/4	39 1/2	39 3/4
Ind. & W. Ry.	40 1/2	40 3/4	40 1/2	40 3/4
Ind. & X. Ry.	41 1/2	41 3/4	41 1/2	41 3/4
Ind. & Y. Ry.	42 1/2	42 3/4	42 1/2	42 3/4
Ind. & Z. Ry.	43 1/2	43 3/4	43 1/2	43 3/4
Ind. & AA. Ry.	44 1/2	44 3/4	44 1/2	44 3/4
Ind. & AB. Ry.	45 1/2	45 3/4	45 1/2	45 3/4
Ind. & AC. Ry.	46 1/2	46 3/4	46 1/2	46 3/4
Ind. & AD. Ry.	47 1/2	47 3/4	47 1/2	47 3/4
Ind. & AE. Ry.	48 1/2	48 3/4	48 1/2	48 3/4
Ind. & AF. Ry.	49 1/2	49 3/4	49 1/2	49 3/4
Ind. & AG. Ry.	50 1/2	50 3/4	50 1/2	50 3/4
Ind. & AH. Ry.	51 1/2	51 3/4	51 1/2	51 3/4
Ind. & AI. Ry.	52 1/2	52 3/4	52 1/2	52 3/4
Ind. & AJ. Ry.	53 1/2	53 3/4	53 1/2	53 3/4
Ind. & AK. Ry.	54 1/2	54 3/4	54 1/2	54 3/4
Ind. & AL. Ry.	55 1/2	55 3/4	55 1/2	55 3/4
Ind. & AM. Ry.	56 1/2	56 3/4	56 1/2	56 3/4
Ind. & AN. Ry.	57 1/2	57 3/4	57 1/2	57 3/4
Ind. & AO. Ry.	58 1/2	58 3/4	58 1/2	58 3/4
Ind. & AP. Ry.	59 1/2	59 3/4	59 1/2	59 3/4
Ind. & AQ. Ry.	60 1/2	60 3/4	60 1/2	60 3/4
Ind. & AR. Ry.	61 1/2	61 3/4	61 1/2	61 3/4
Ind. & AS. Ry.	62 1/2	62 3/4	62 1/2	62 3/4
Ind. & AT. Ry.	63 1/2	63 3/4	63 1/2	63 3/4
Ind. & AU. Ry.	64 1/2	64 3/4	64 1/2	64 3/4
Ind. & AV. Ry.	65 1/2	65 3/4	65 1/2	65 3/4
Ind. & AW. Ry.	66 1/2	66 3/4	66 1/2	66 3/4
Ind. & AX. Ry.	67 1/2	67 3/4	67 1/2	67 3/4
Ind. & AY. Ry.	68 1/2	68 3/4	68 1/2	68 3/4
Ind. & AZ. Ry.	69 1/2	69 3/4	69 1/2	69 3/4
Ind. & BA. Ry.	70 1/2	70 3/4	70 1/2	70 3/4
Ind. & BB. Ry.	71 1/2	71 3/4	71 1/2	71 3/4
Ind. & BC. Ry.	72 1/2	72 3/4	72 1/2	72 3/4
Ind. & BD. Ry.	73 1/2	73 3/4	73 1/2	73 3/4
Ind. & BE. Ry.	74 1/2	74 3/4	74 1/2	74 3/4
Ind. & BF. Ry.	75 1/2	75 3/4	75 1/2	75 3/4
Ind. & BG. Ry.	76 1/2	76 3/4	76 1/2	76 3/4
Ind. & BH. Ry.	77 1/2	77 3/4	77 1/2	77 3/4
Ind. & BI. Ry.	78 1/2	78 3/4	78 1/2	78 3/4
Ind. & BJ. Ry.	79 1/2	79 3/4	79 1/2	79 3/4
Ind. & BK. Ry.	80 1/2	80 3/4	80 1/2	80 3/4
Ind. & BL. Ry.	81 1/2	81 3/4	81 1/2	81 3/4
Ind. & BM. Ry.	82 1/2	82 3/4	82 1/2	82 3/4
Ind. & BN. Ry.	83 1/2	83 3/4	83 1/2	83 3/4
Ind. & BO. Ry.	84 1/2	84 3/4	84 1/2	84 3/4
Ind. & BP. Ry.	85 1/2	85 3/4	85 1/2	85 3/4
Ind. & BQ. Ry.	86 1/2	86 3/4	86 1/2	86 3/4
Ind. & BR. Ry.	87 1/2	87 3/4	87 1/2	87 3/4
Ind. & BS. Ry.	88 1/2	88 3/4	88 1/2	88 3/4
Ind. & BT. Ry.	89 1/2	89 3/4	89 1/2	89 3/4
Ind. & BU. Ry.	90 1/2	90 3/4	90 1/2	90 3/4
Ind. & BV. Ry.	91 1/2	91 3/4	91 1/2	91 3/4
Ind. & BW. Ry.	92 1/2	92 3/4	92 1/2	92 3/4
Ind. & BX. Ry.	93 1/2	93 3/4	93 1/2	93 3/4
Ind. & BY. Ry.	94 1/2	94 3/4	94 1/2	94 3/4
Ind. & BZ. Ry.	95 1/2	95 3/4	95 1/2	95 3/4
Ind. & CA. Ry.	96 1/2	96 3/4	96 1/2	96 3/4
Ind. & CB. Ry.	97 1/2	97 3/4	97 1/2	97 3/4
Ind. & CC. Ry.	98 1/2	98 3/4	98 1/2	98 3/4
Ind. & CD. Ry.	99 1/2	99 3/4	99 1/2	99 3/4
Ind. & CE. Ry.	100 1/2	100 3/4	100 1/2	100 3/4

PERSONALITY OF THE HEAD OF THE WEATHER BUREAU.

The Arctic Hero Has Become a Great Social Lion, but Remains Unspoiled. His Record in the Army—Old Army Officers Disgraced at Gen. Greely's Rapid Promotion—His Happy Family.

No one reads the newspaper jokes about the Weather Bureau with more good humor than Brig.-Gen. A. W. Greely, Chief Signal Officer, United States Army, whose name you will find at the foot of every weather report, says the Philadelphia Record.

Personally Gen. Greely is one of the most delightful of men. You will agree with me in saying this when I tell you that, with the exception of George Kennan, he is the only man I have ever known entirely unaffected by admiration and applause. No one has been honored more, or more agreeably than he.

Since his return from the Arctic he has been one of the immortals. He has been reformed of it constantly by social and official honors, for he has had every tribute that modern men can give a modern hero. He has accepted it all gracefully and gratefully, and still goes quietly and simply about his daily duties utterly unspoiled, as true greatness always remains.

After his return he was very weak long after he had regained seeming health. If he had not had a fine wife and a charming home he might never have recovered his strength. If he had not taken an interest and an active part in science, literature and society, he would have been a mere invalid. He has been so well cared for and wisely led, so that today he is for the silver in his black hair and on his brow you would not think that he had ever faced death for months.

He is a fine looking man, tall, well-built and erect, in spite of his scholarly nature and a large, well-rounded head, a manly face, with delicate features and large eyes behind his eyeglasses, and a broad, full beard, both streaked with gray. His expression is winning, for he is a man of the world, and he goes everywhere in society, he is the most striking figure and the most attractive guest, for everybody admires and likes him. He is a member of the literary clubs and of the scientific societies, and takes part in all their proceedings with great acceptance.

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